



1/23

Drawing Changes
Approved
1/1/05

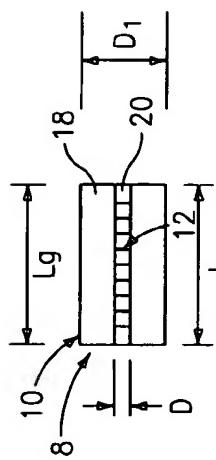


FIG. 1

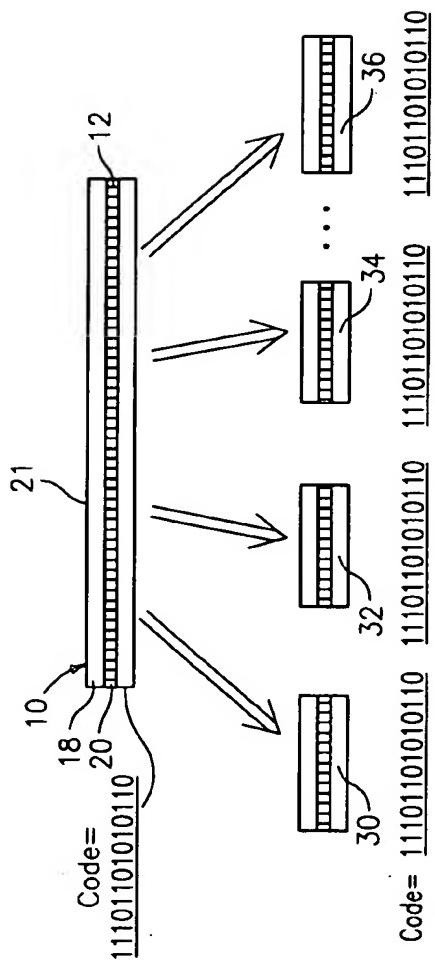


FIG. 2

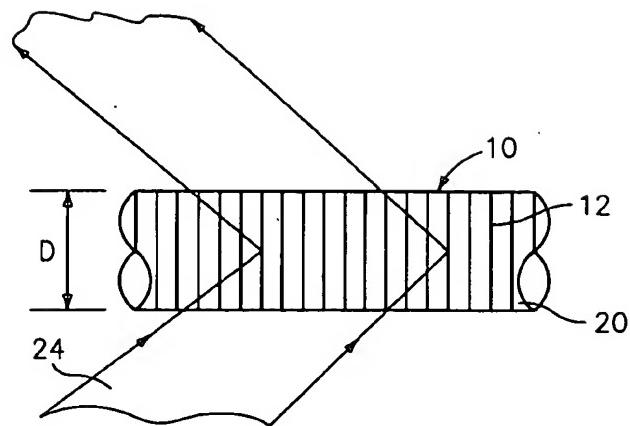


FIG. 3

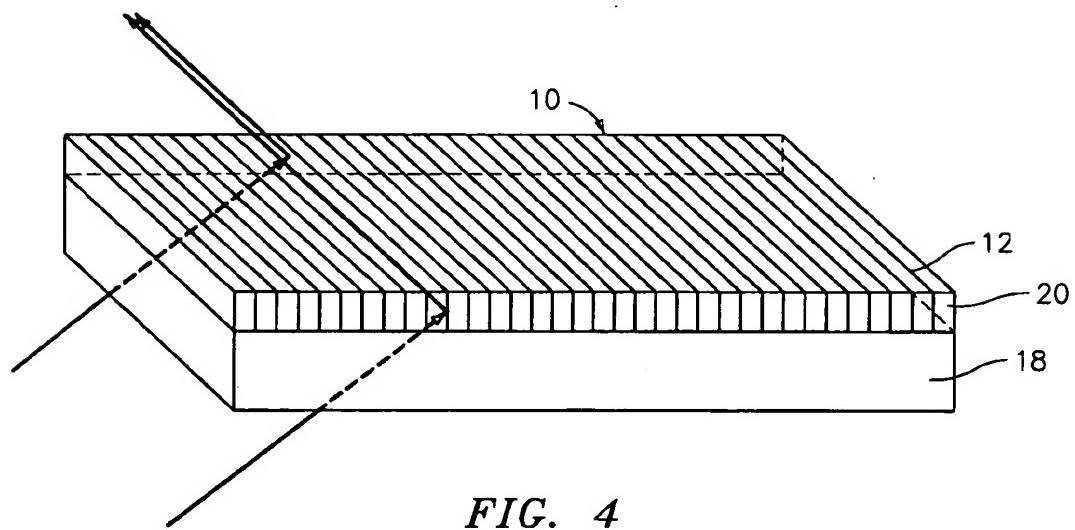


FIG. 4

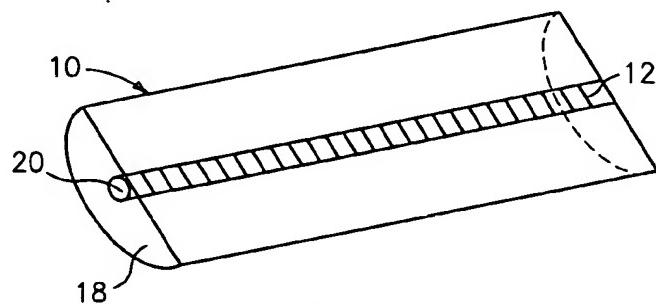


FIG. 5

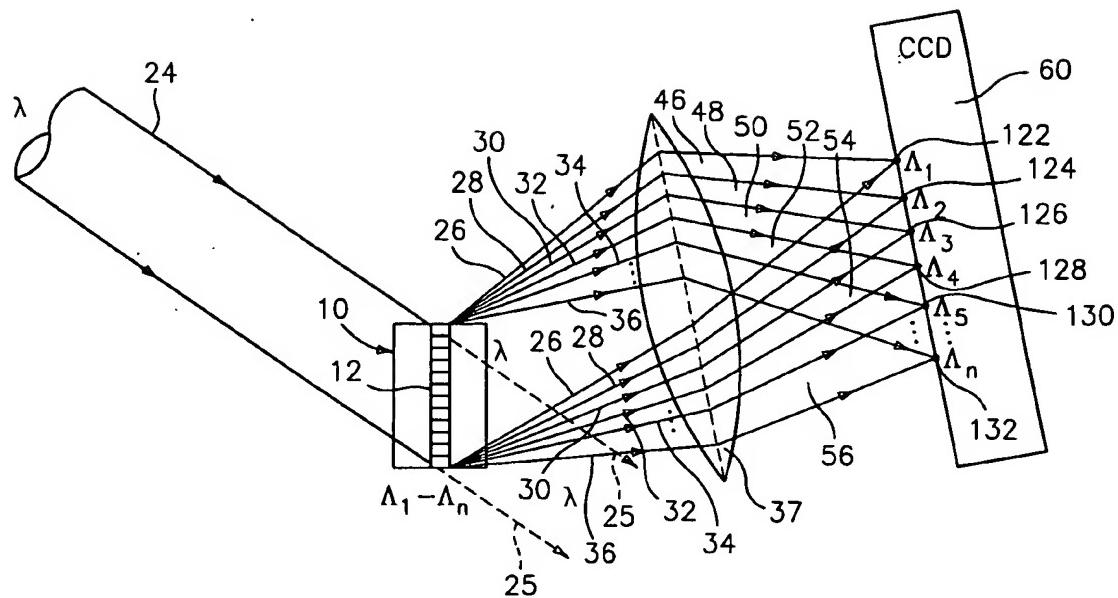


FIG. 6

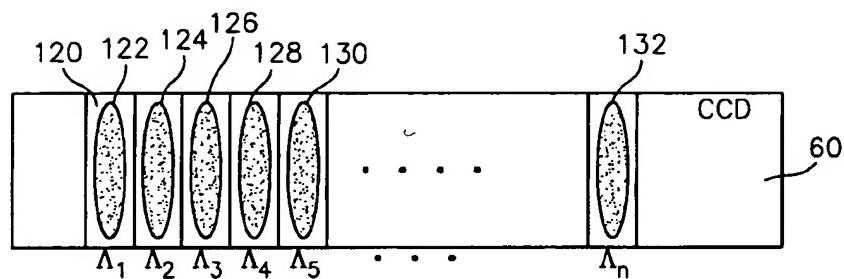


FIG. 7

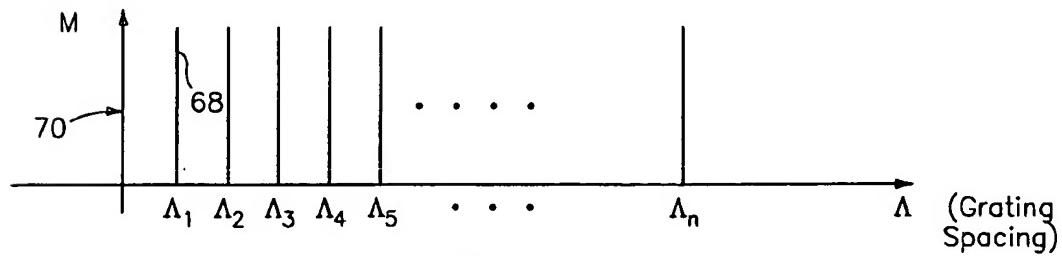


FIG. 8

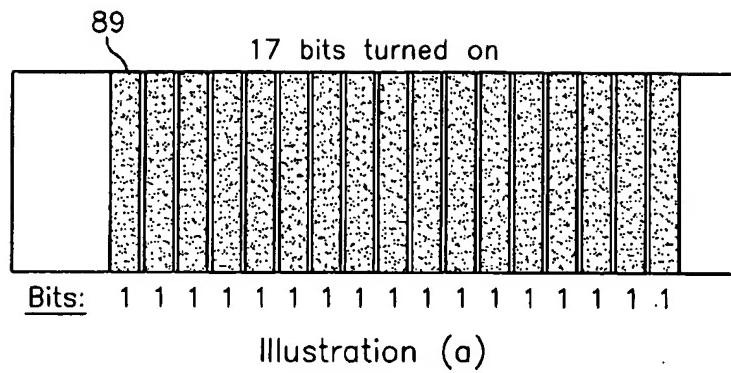
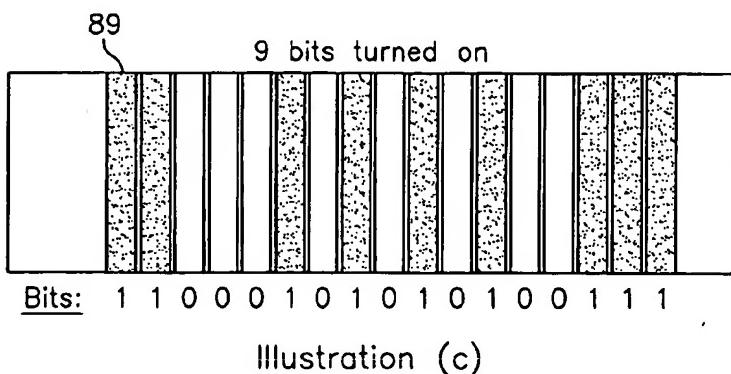
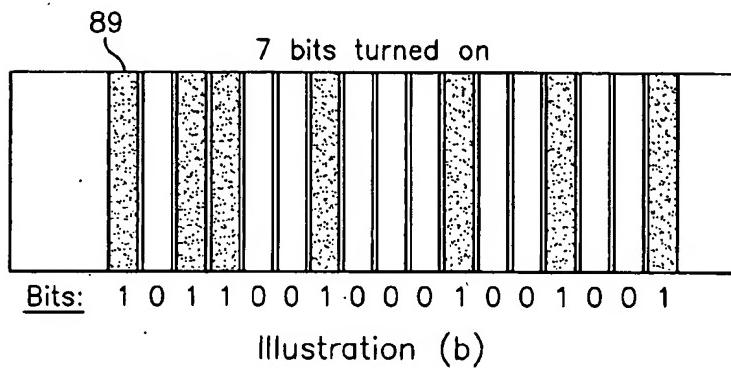


FIG. 9



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Illustration of refractive index profile for single grating with a period of 1 micron

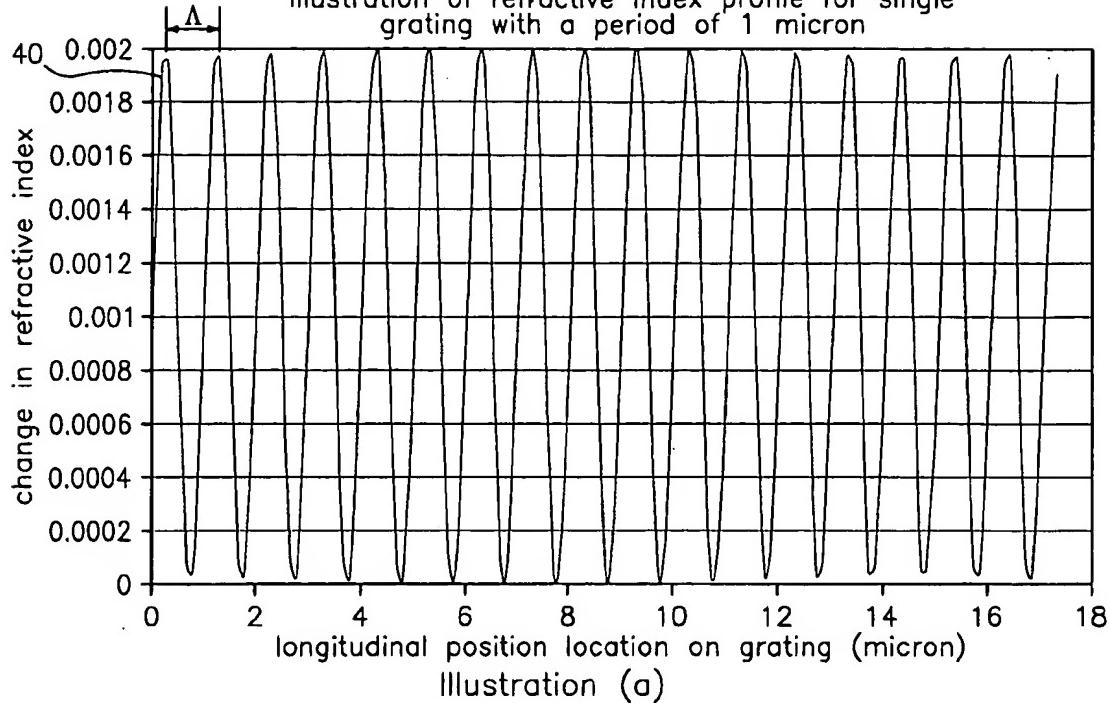


Illustration (a)

Illustration of refractive index profile for 3 colocated gratings whose period vary by 0.3%

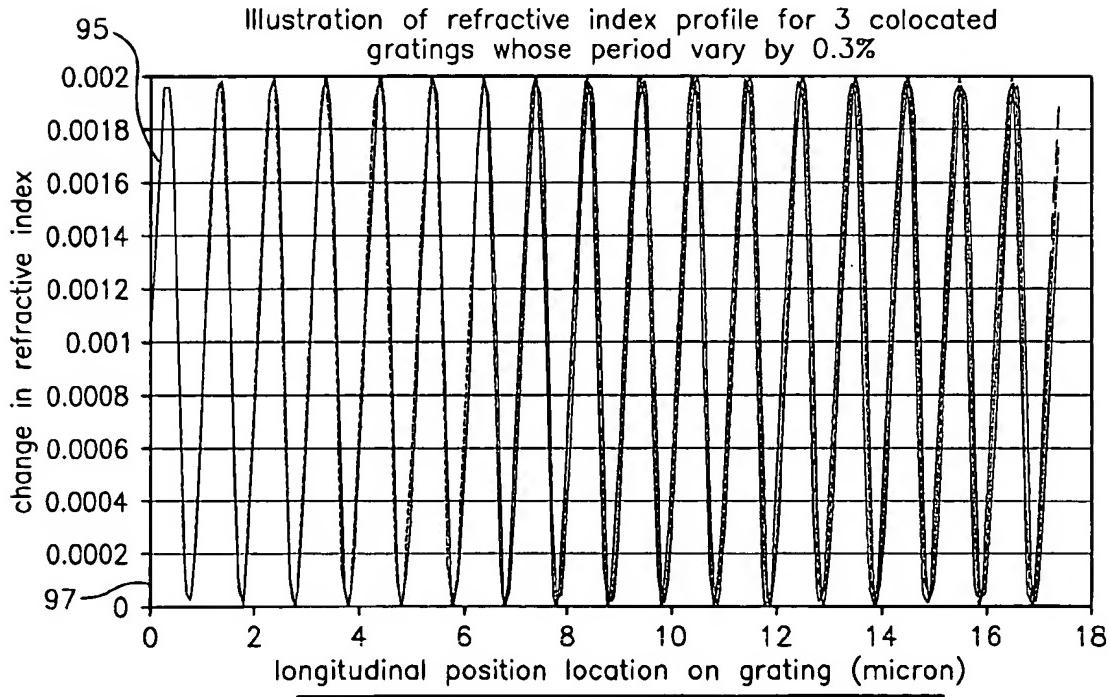


FIG. 10

Illustration (c)

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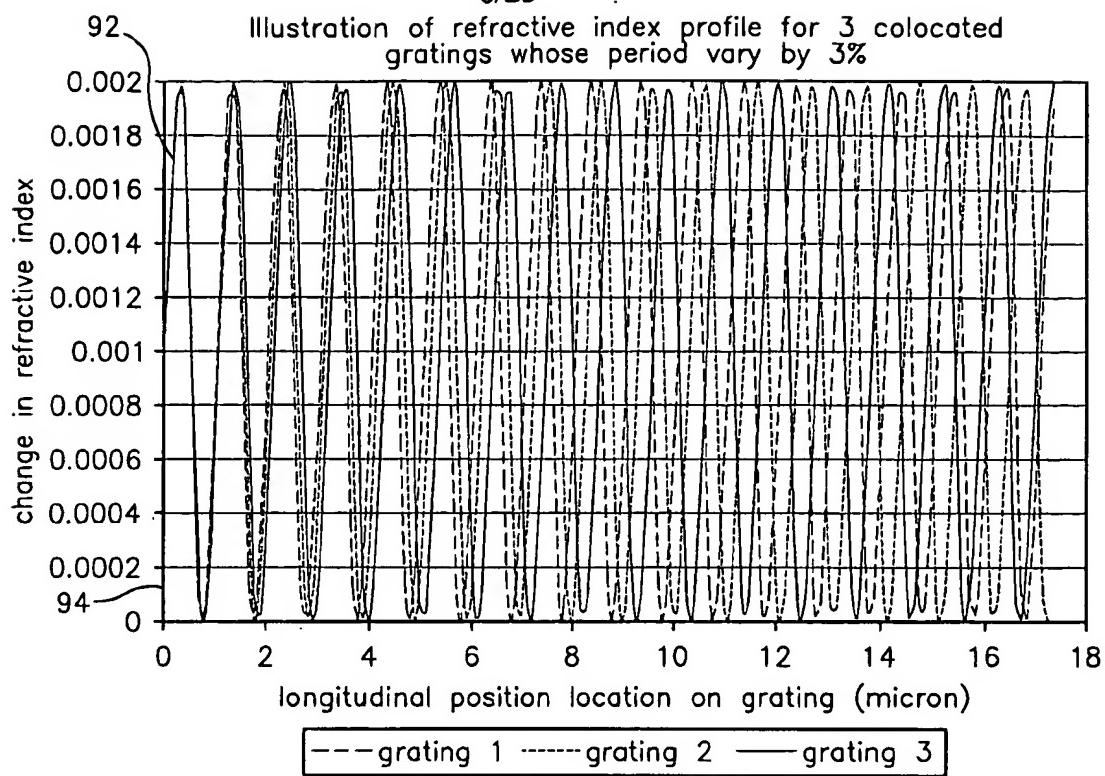


Illustration (b)

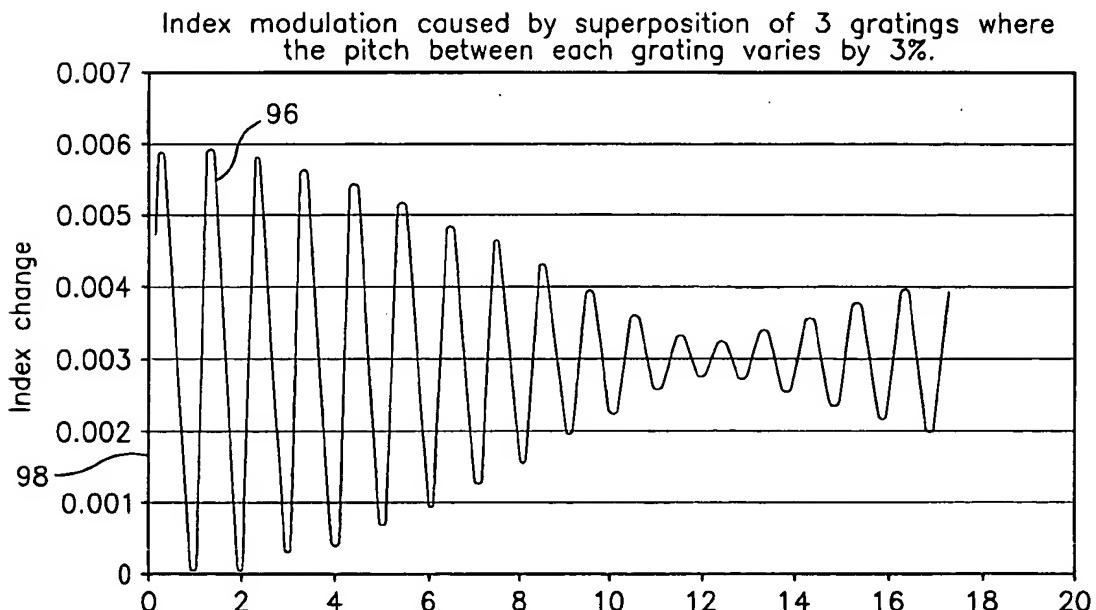
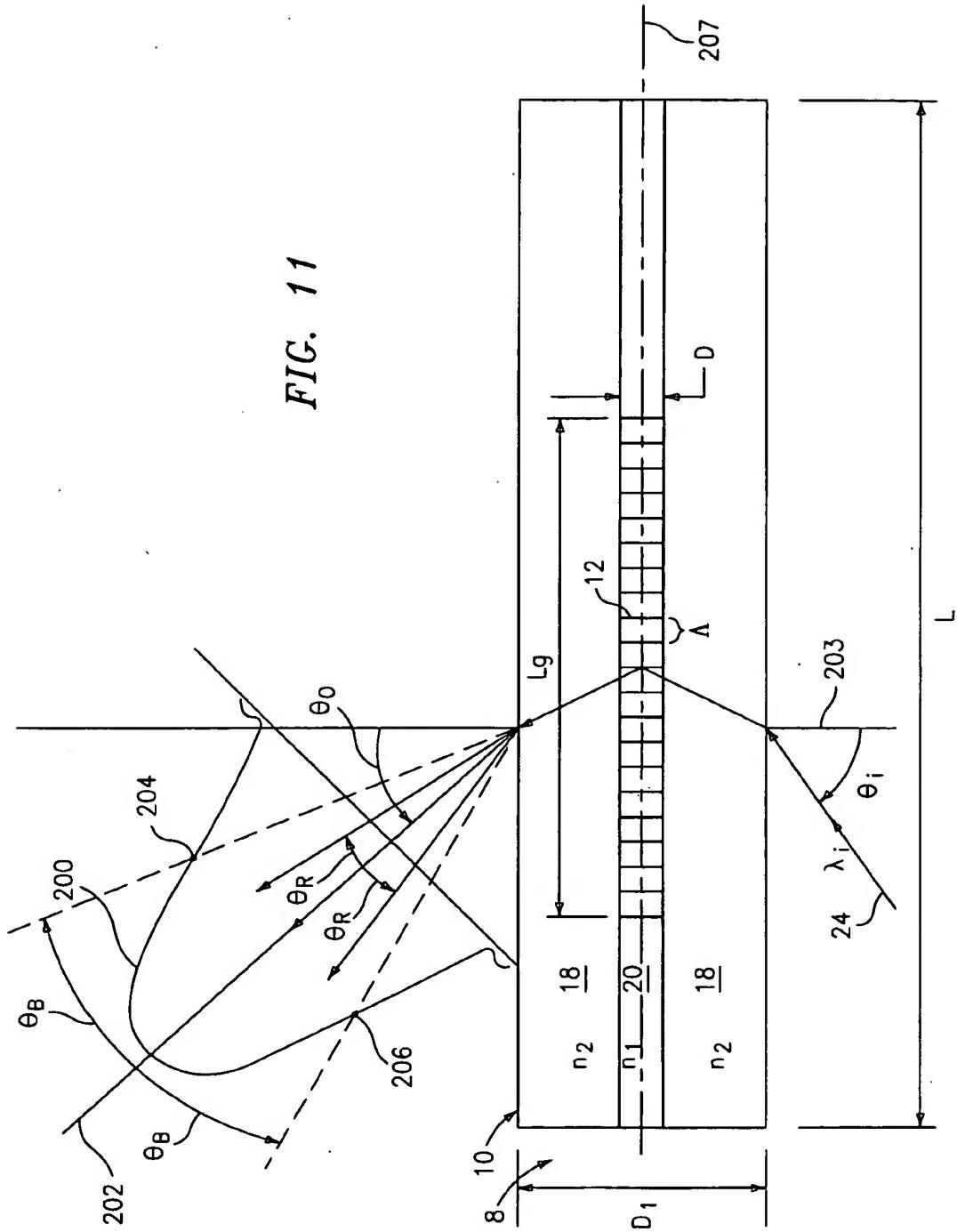
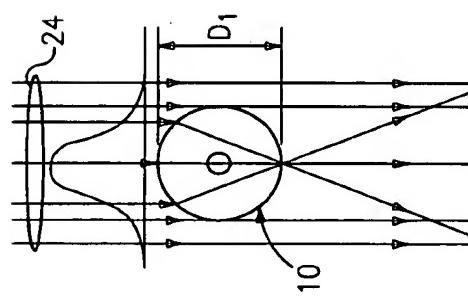
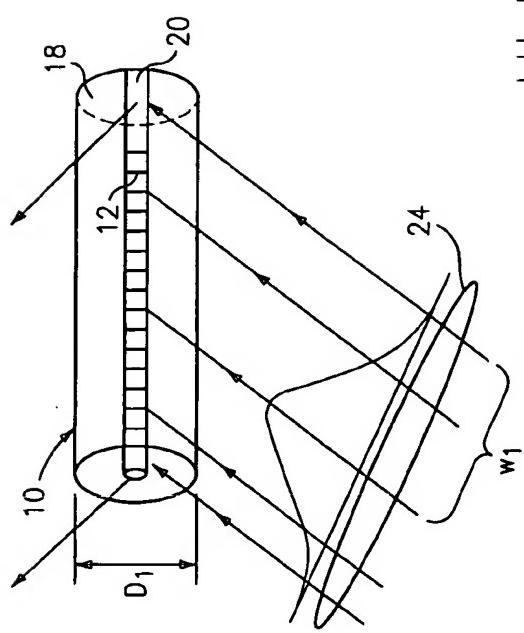
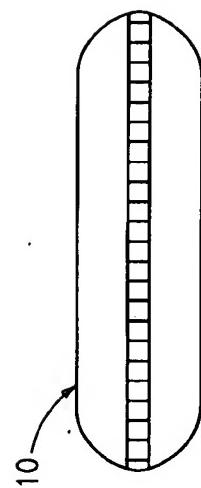
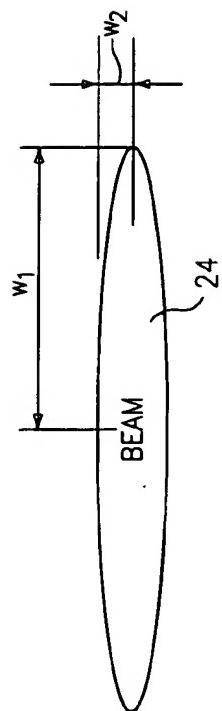


FIG. 10

Illustration (d)

FIG. 11





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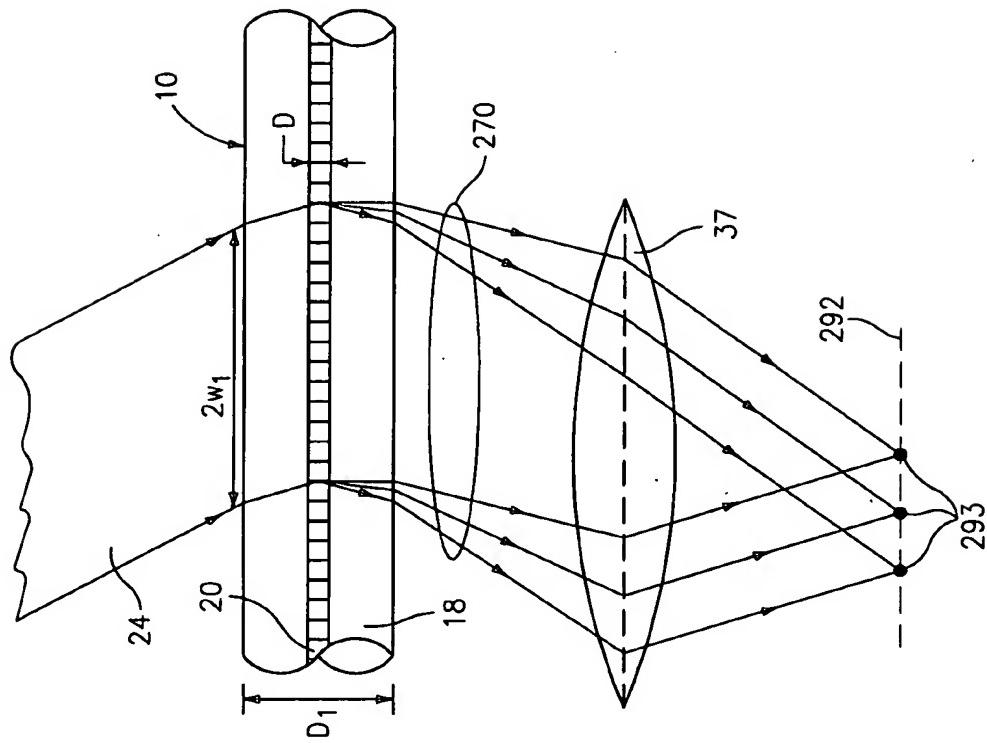


FIG. 14

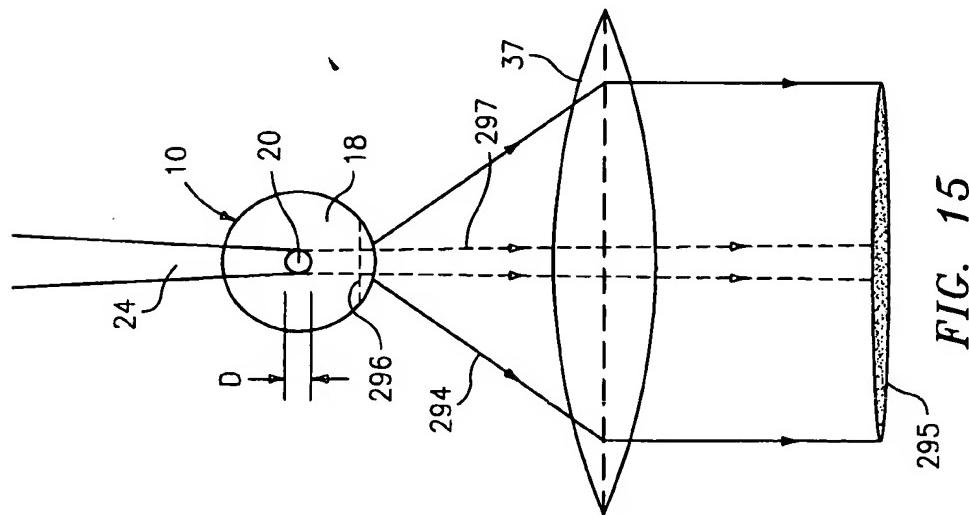


FIG. 15

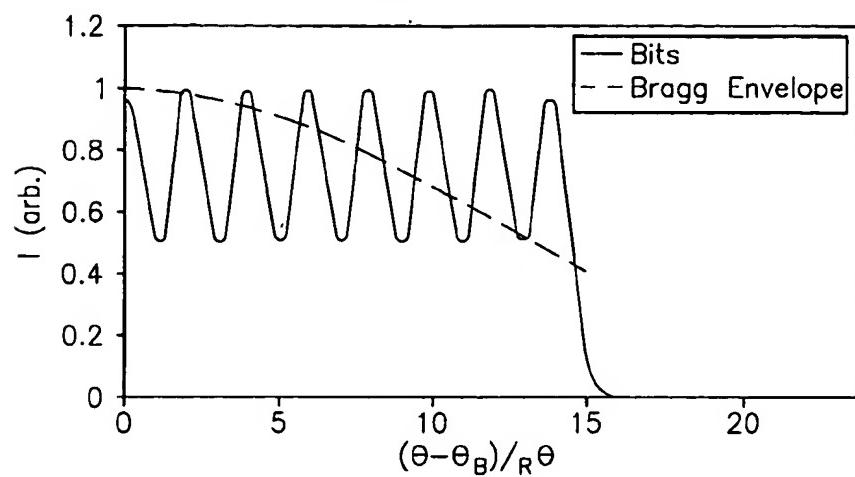


FIG. 18

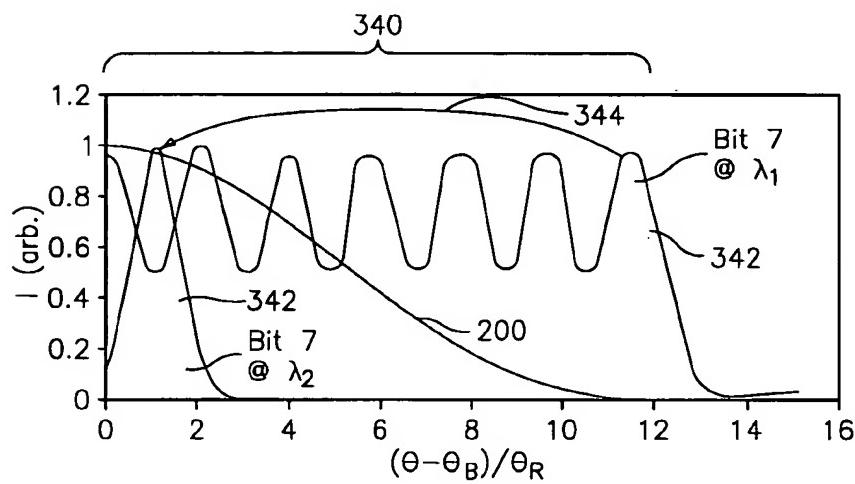


FIG. 20

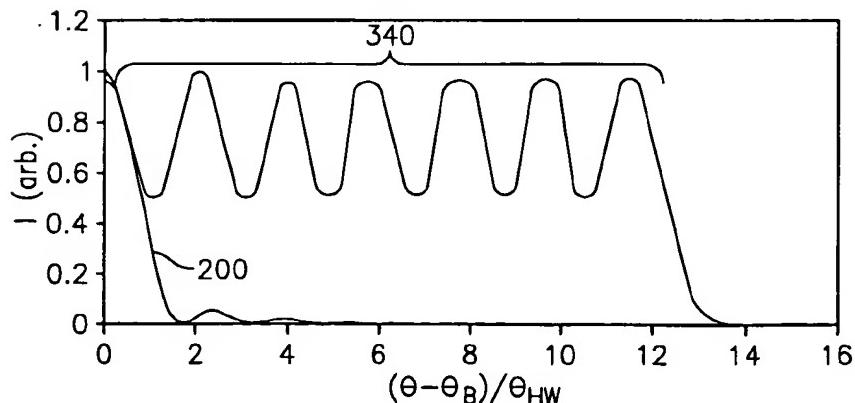


FIG. 21

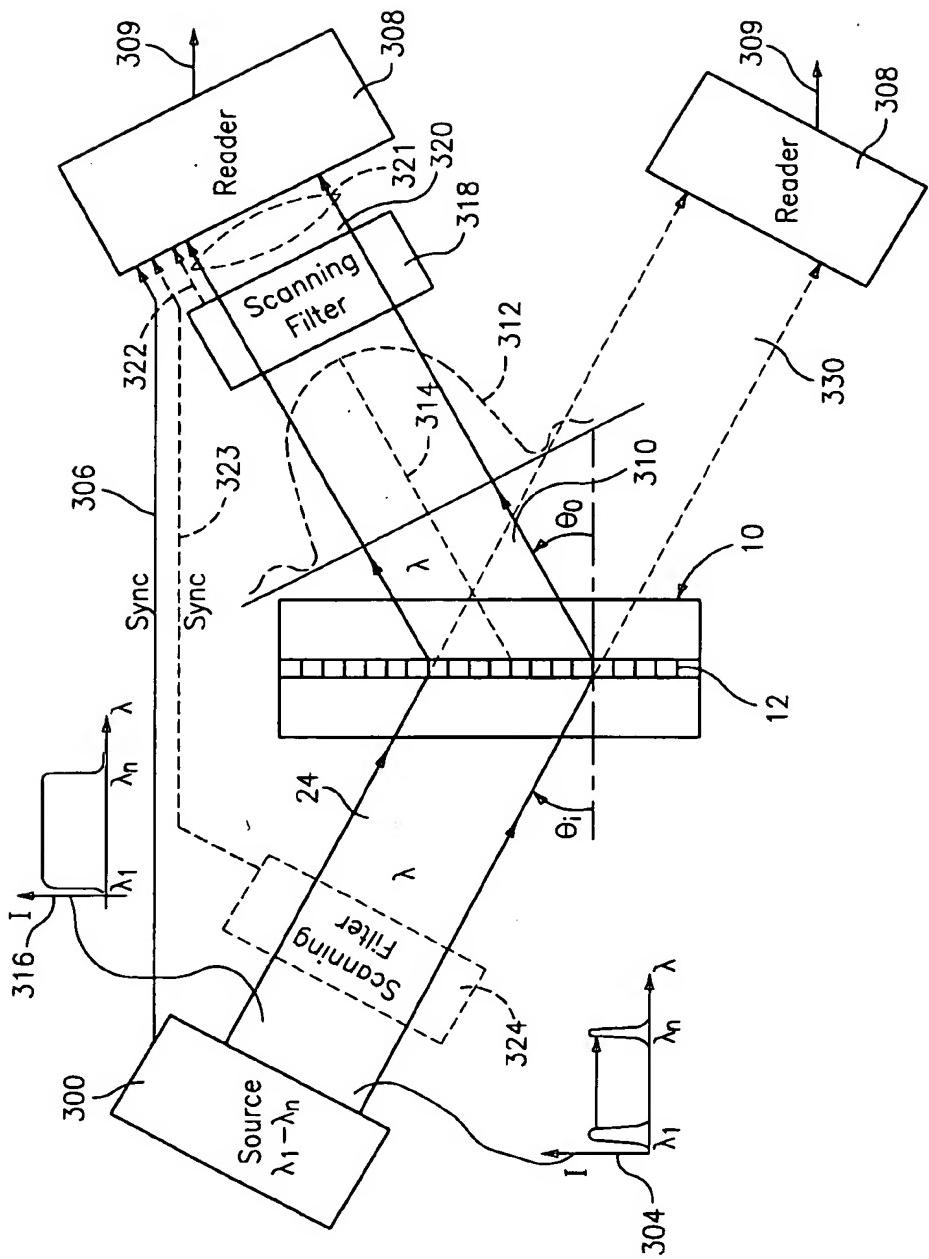


FIG. 19

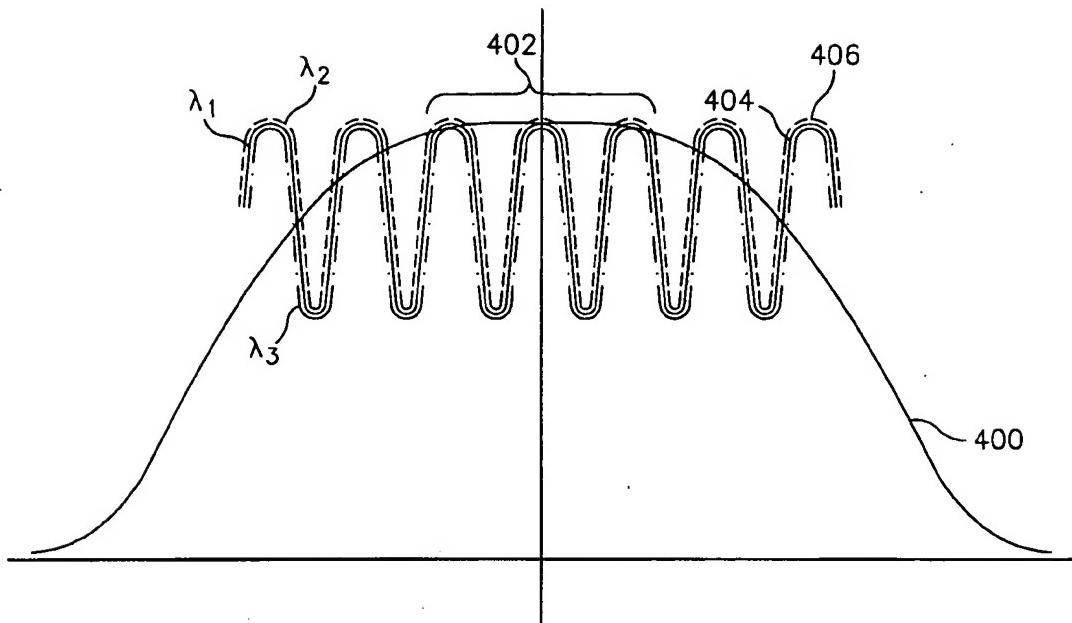


FIG. 22

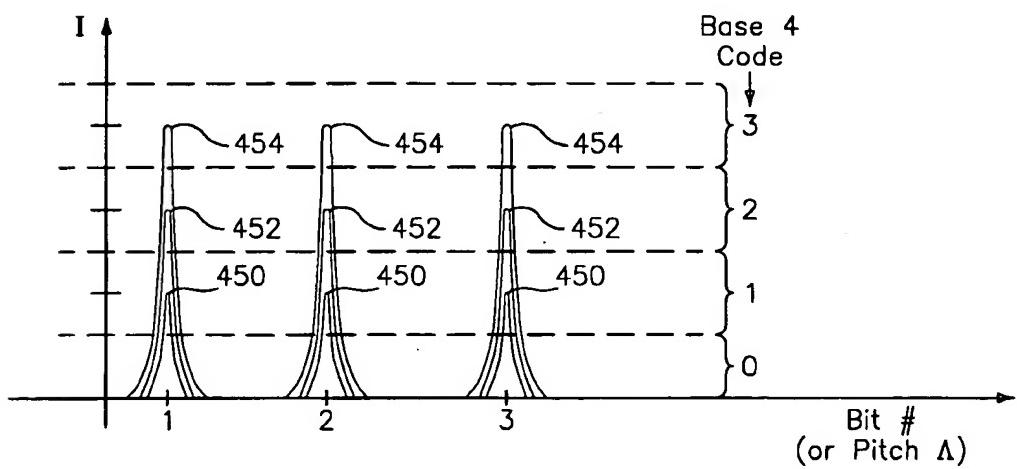


FIG. 27

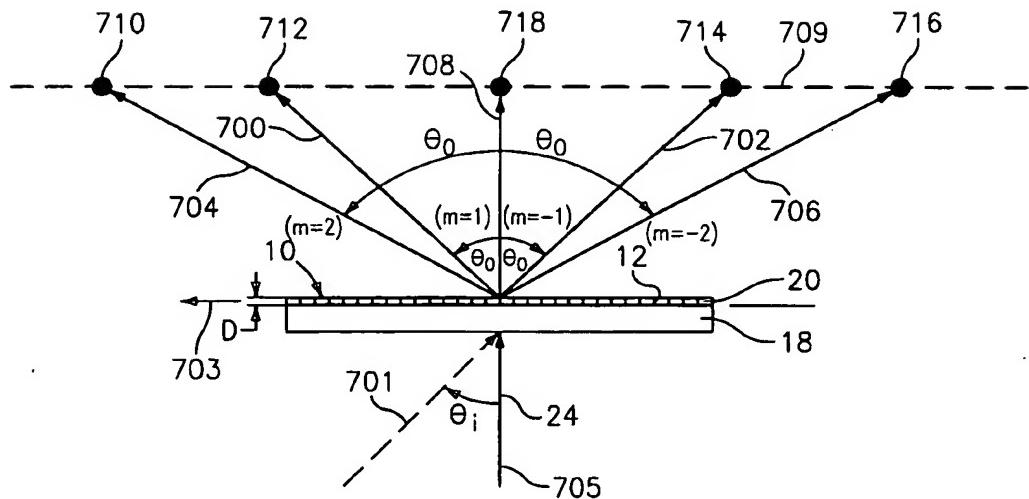


FIG. 23

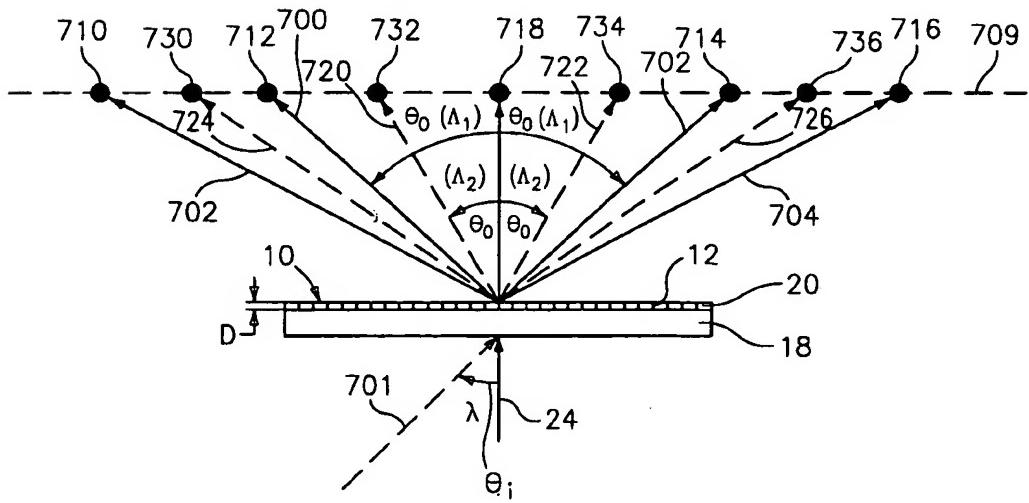


FIG. 24

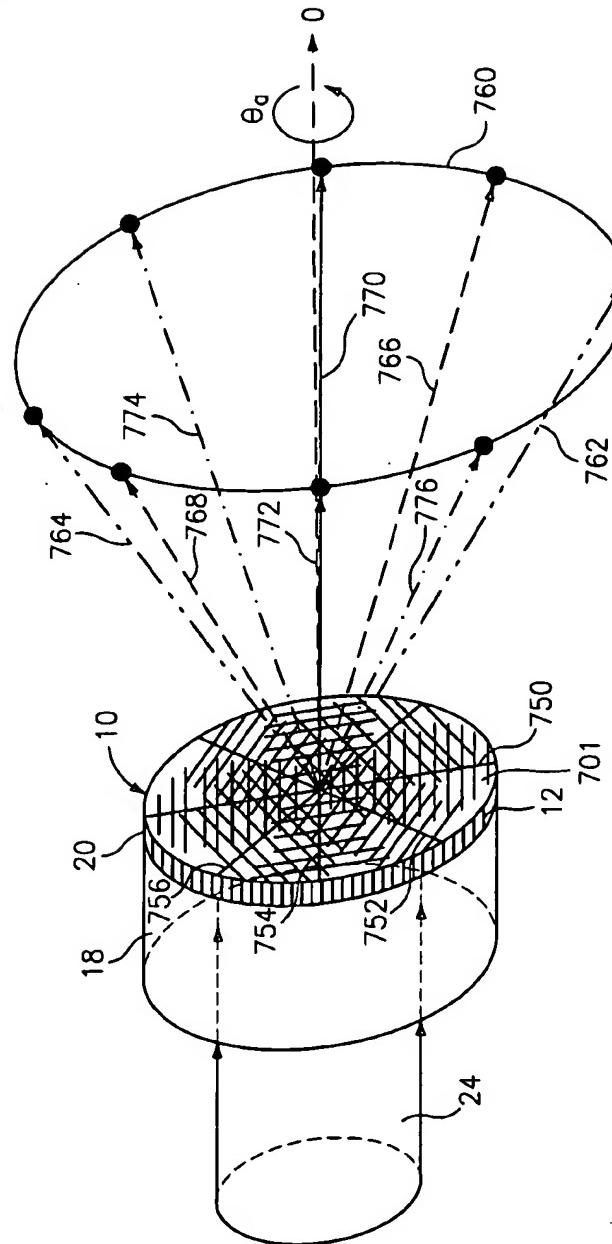


FIG. 25

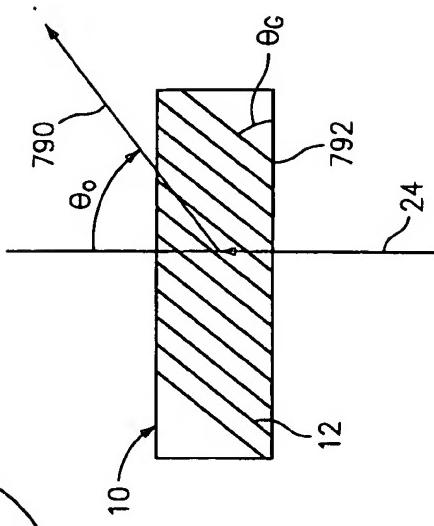


FIG. 26

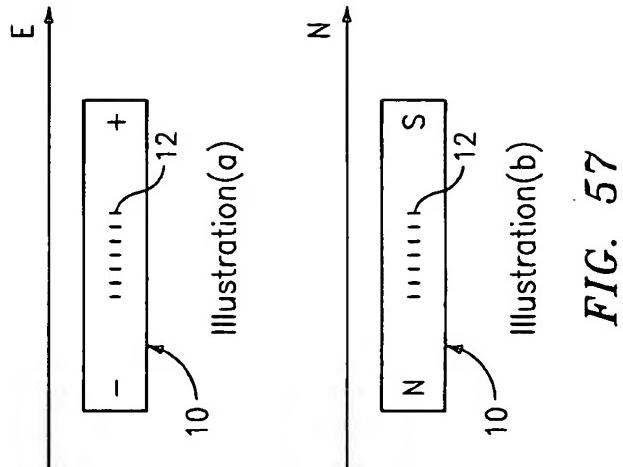
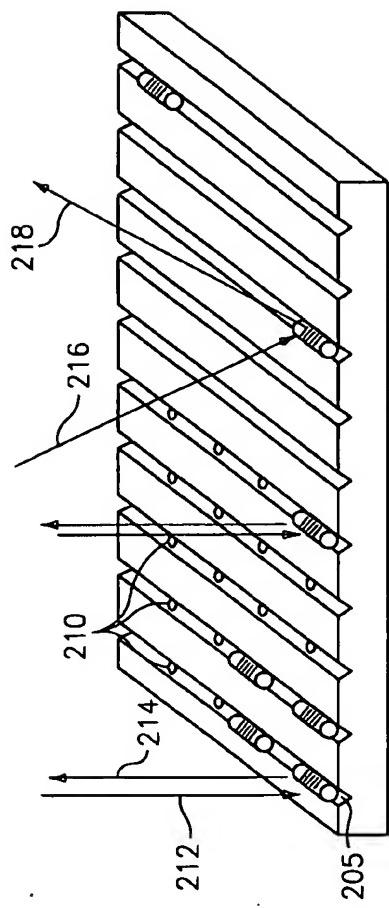
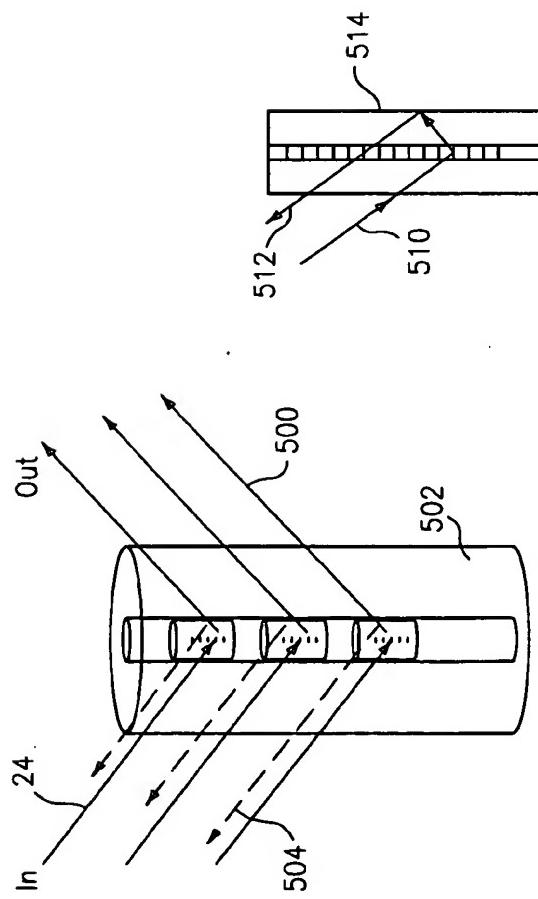


FIG. 57

FIG. 30

FIG. 29



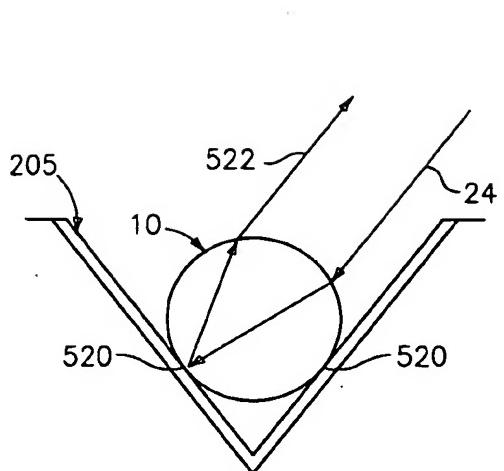


FIG. 31

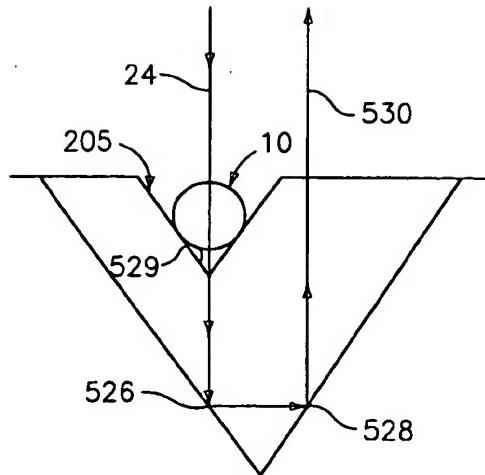


FIG. 32

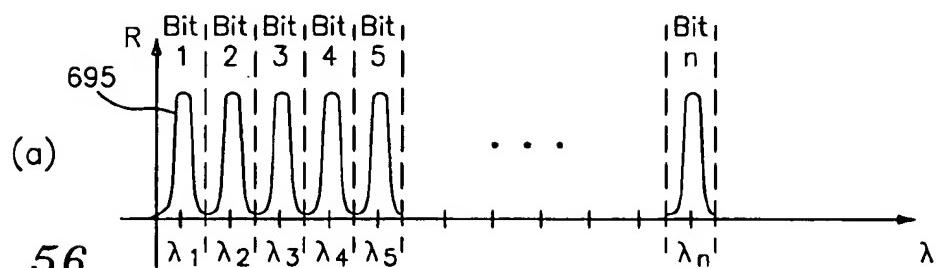
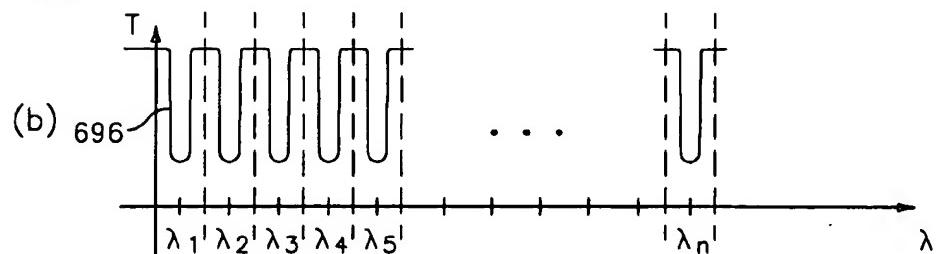


FIG. 56



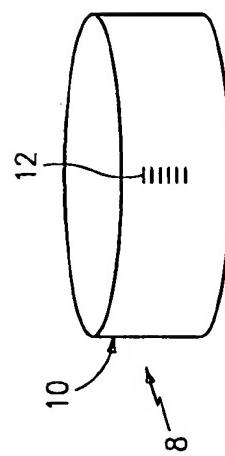
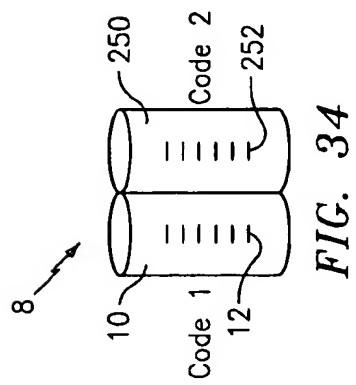
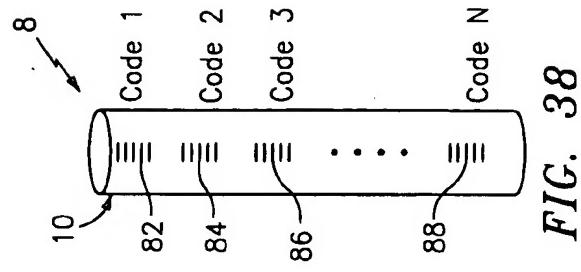
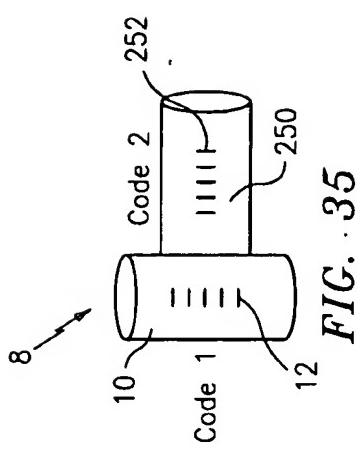


FIG. 58

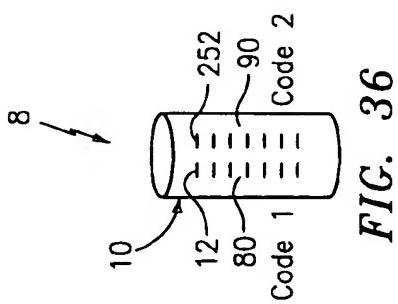
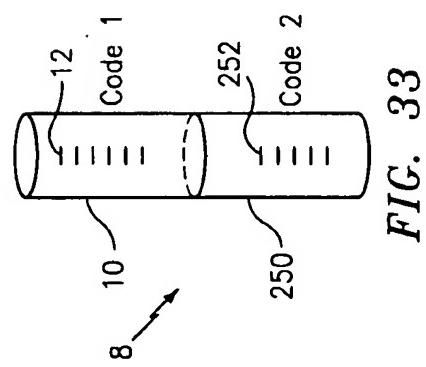


FIG. 59

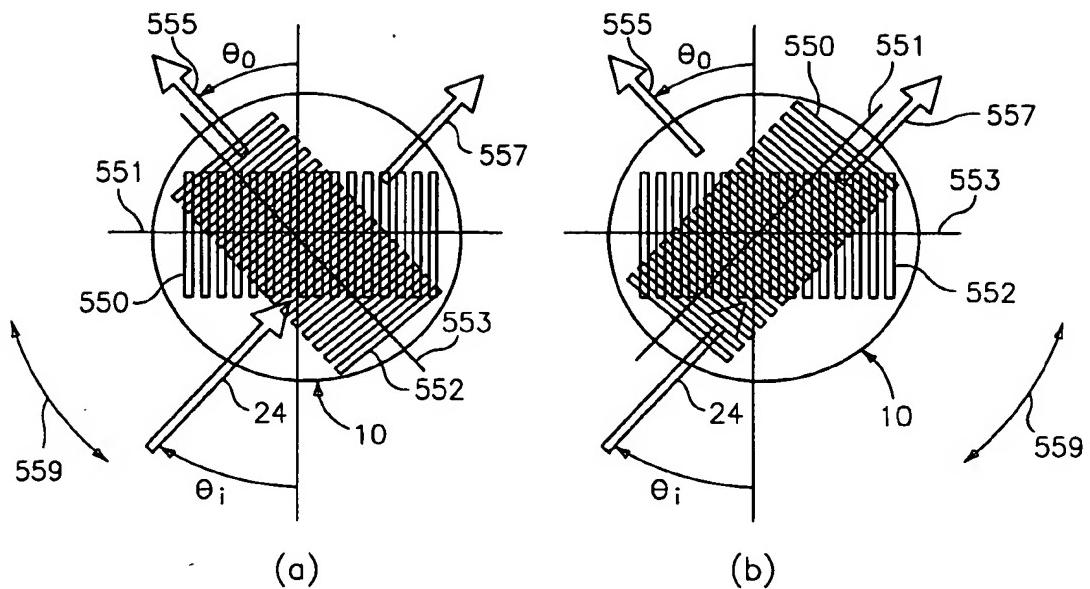


FIG. 39

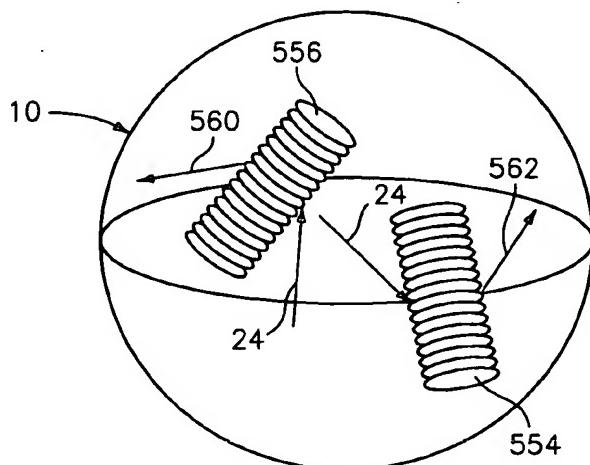


FIG. 40

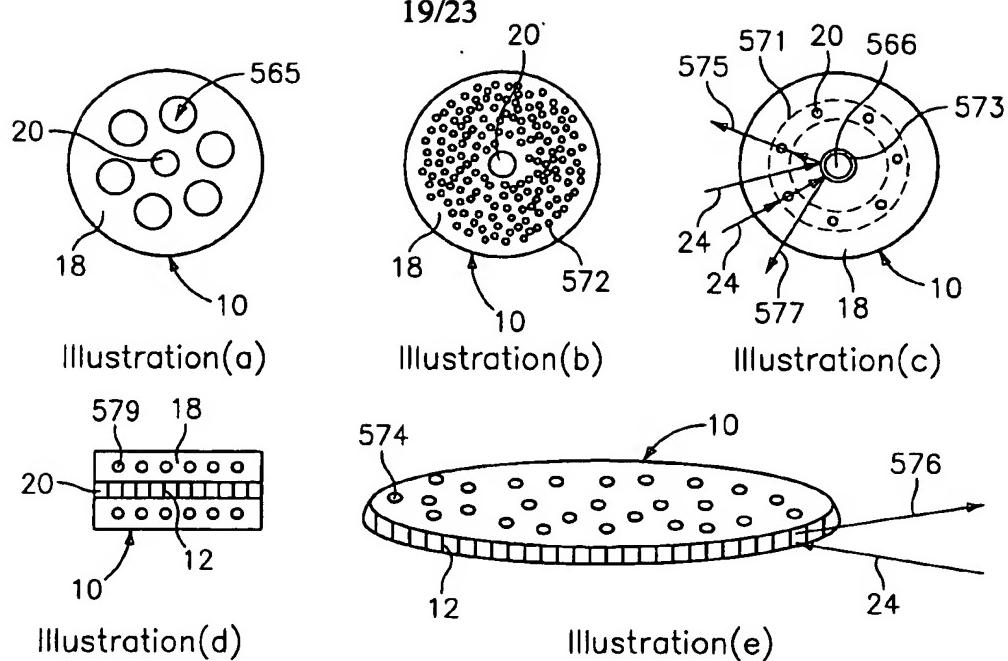


FIG. 41

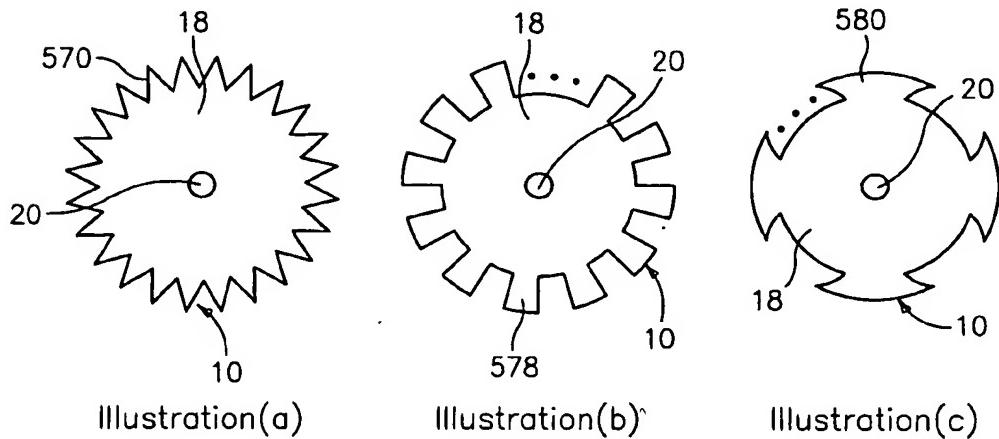


FIG. 42

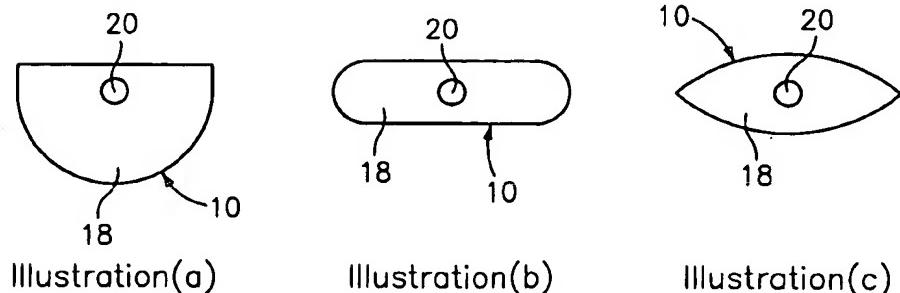


FIG. 43

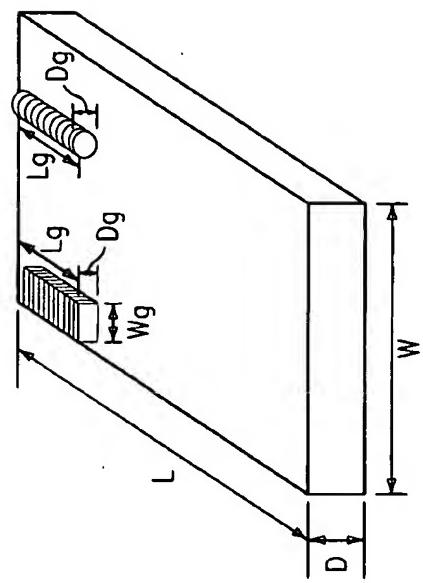


FIG. 44

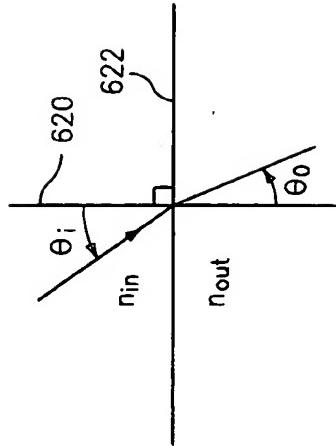


FIG. 46

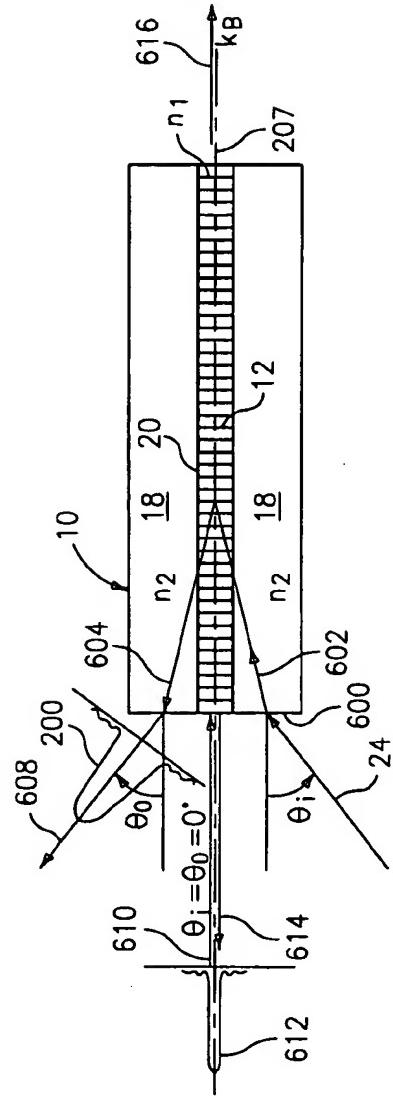


FIG. 45

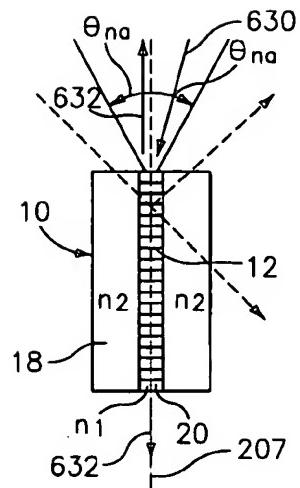


FIG. 47

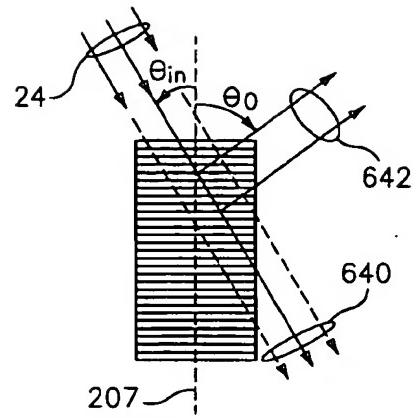


FIG. 48

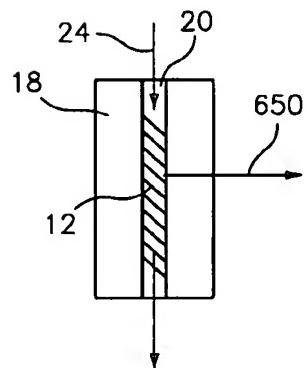


FIG. 49

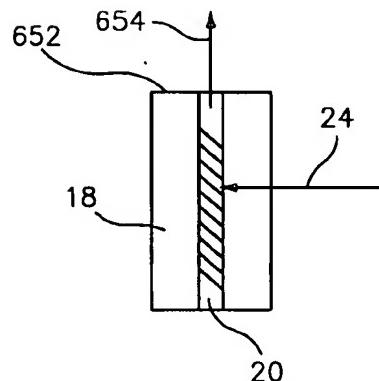


FIG. 50

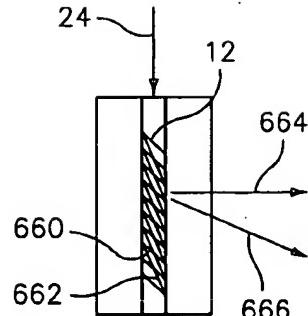


FIG. 51

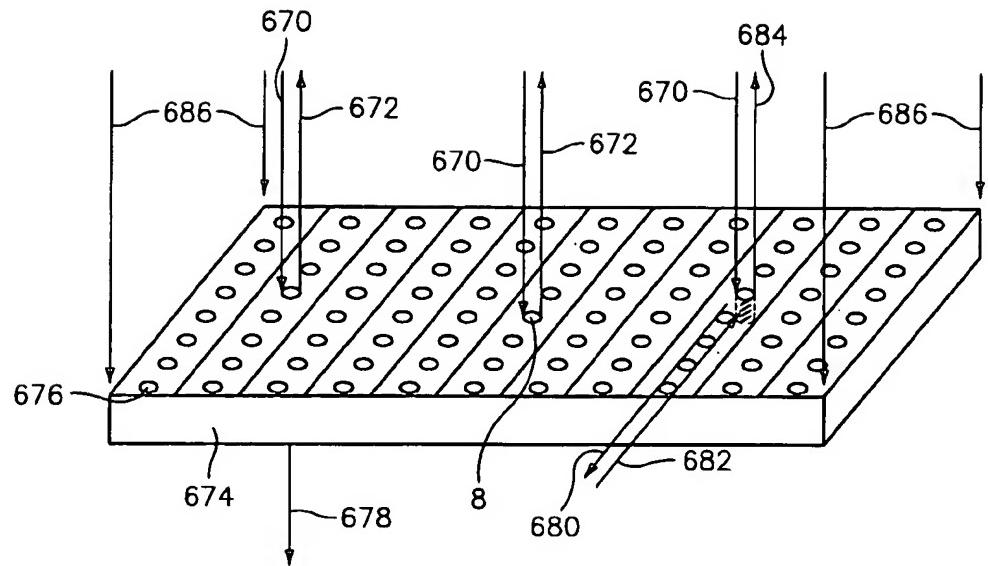


FIG. 52

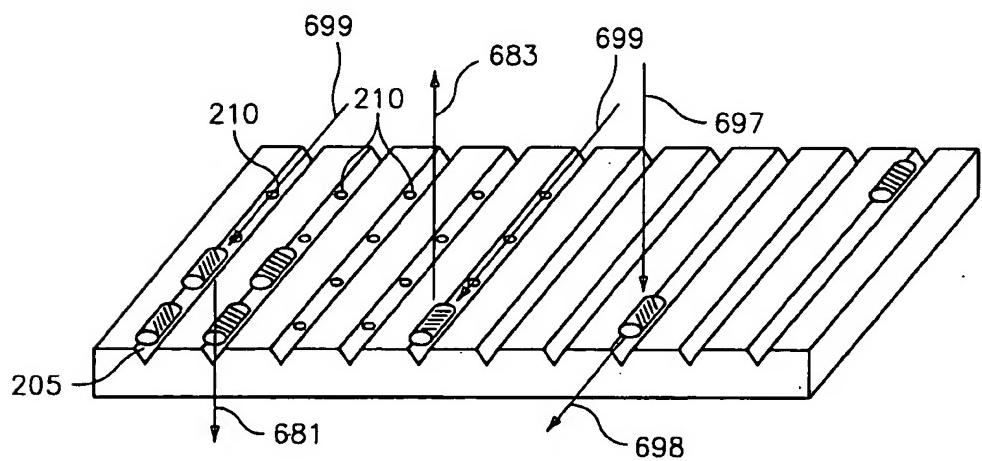


FIG. 53

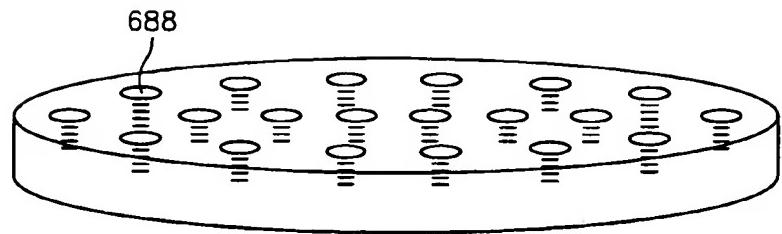


FIG. 54

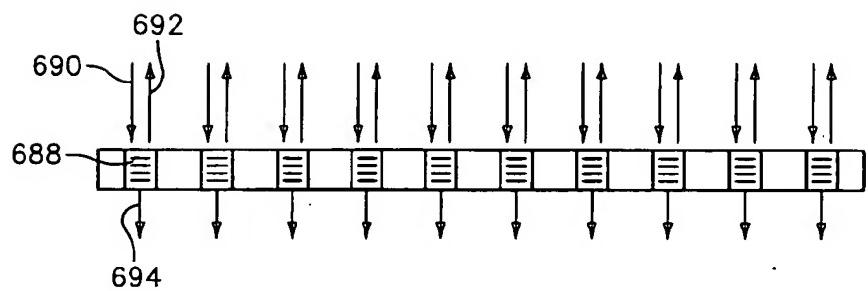


FIG. 55